Notice of Allowability	Application No.	Applicant(s)	
	09/871,457	MERRELLS ET AL.	
	Examiner	Art Unit	
	Shawki S. Ismail	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *RCE ~~received~~ filed on July 26, 2005*.

2. ☒ The allowed claim(s) is/are *1,2,5-9,12-16,18,19,21 and 22*. re-numbered as 1-16

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *9-29-2005* .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Bharat Barot.

BHARAT BAROT
PRIMARY EXAMINER

PD

EXAMINERS AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and /or additions by unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such amendment, it must be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Aly Dossa (reg. No. L0031) on September 15, 2005.

3. The application has been amended as follows:

Claims 1, 5, 8, 11, 15, 18, 21 and 22 have been replaced with the following amended claims 1, 5, 8, 11, 15, 18, 21 and 22.

1. (Currently Amended) A method of addressing an entry in a directory server, comprising:

generating a unique identifier for the entry;

creating an encoded address by encoding the unique identifier into a distinguished name;

specifying the entry using the encoded address for a plurality of operations;

wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification; and

wherein generating the unique identifier is time-based comprising a single-threaded generation algorithm and a multi-threaded generation algorithm.

2. (Original) The method of claim 1, wherein the unique identifier comprises a multi-bit number having a first octet set to an identifier type and a plurality of remaining bits set to an identifier.

3. (Cancelled)

4. (Cancelled)

5. (Currently Amended) The method of claim 1, wherein the multi-threaded generation comprises an update task and a generator task.

6. (Original) The method of claim 1, wherein generating the unique identifier is name-based.

7. (Original) The method of claim 1, wherein generating the unique identifier is random-based.

8. (Currently Amended) A method of addressing an entry in a directory server, comprising:

generating a unique identifier for the entry;

creating an encoded address by encoding the unique identifier into a control;

specifying the entry using the encoded address for a plurality of operations;

wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification; and

wherein generating the unique identifier is time-based comprising a single-threaded generation algorithm and a multi-threaded generation algorithm.

9. (Original) The method of claim 8, wherein the unique identifier comprises a multi-bit number having a first octet set to an identifier type and a plurality of remaining bits set to an identifier.

10. (Cancelled)

11. (Cancelled)

12. (Original) The method of claim 8, wherein the multi-threaded generation comprises an update task and a generator task.

13. (Original) The method of claim 8, wherein generating the unique identifier is name-based.

14. (Original) The method of claim 8, wherein generating the unique identifier is random-based.

15. (Currently Amended) A unique identifier-based addressing system for a directory server, comprising:

a unique identifier generated for an entry;

an encoded address created by encoding the unique identifier into a distinguished name;

wherein the entry is specified using the encoded address for a plurality of operations;

wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification; and

wherein generating the unique identifier is time-based comprising a single-threaded generation algorithm and a multi-threaded generation algorithm.

16. (Original) The system of claim 15, wherein the unique identifier comprises a multi-bit number having a first octet set to an identifier type and a plurality of remaining bits set to an identifier.

17. (Cancelled)

18. (Currently Amended) A unique identifier-based addressing system for a directory server, comprising:

a unique identifier generated for an entry;

an encoded address created by encoding the unique identifier into a control;

wherein the entry is specified using; the encoded address for a plurality of operations;

wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification; and

wherein generating the unique identifier is time-based comprising single-threaded generation algorithm and a multi-threaded generation algorithm.

19. (Original) The system of claim 18, wherein the unique identifier comprises a multi-bit number having a first octet set to an identifier type and a plurality of remaining bits set to an identifier.

20. (Cancelled)

21. (Currently Amended) A unique identifier-based addressing system for a directory server, comprising:

means for generating a unique identifier for an entry;

means for creating an encoded address by encoding the unique identifier with a control;

means for specifying the entry using the encoded address for a plurality of operations;

wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification; and

wherein generating the unique identifier is time-based comprising a single-threaded generation algorithm and a multi-threaded generation algorithm.

22. (Currently Amended) A unique identifier-based addressing system for a directory server, comprising:

means for generating a unique identifier for an entry;

means for creating an encoded address by encoding the unique identifier into a distinguished name;

means for specifying the entry using the encoded address for a plurality of operations;

wherein the unique identifier comprises a multi-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with a unique identifier specification; and

wherein generating the unique identifier is time-based comprising a single-threaded generation algorithm and a multi-threaded generation algorithm.

REASONS FOR ALLOWANCE

4. The following is an Examiner's Statement of Reasons for Allowance:

Claims 1-2, 5-9, 12-16, 18-19 and 21-22 are allowable over the prior art of record.

The examiner has found that the prior art of record does not teach or suggest or render obvious a method, and a system for addressing an entry into a directory server. The major difference in the independent claims not found in the prior art of record is that generating the unique identifier for the entry is time-based comprising a single-threaded generation algorithm and a mult-threaded generation algorithm and wherein the unique identifier comprises a mult-bit number having a first octet set to zero and a plurality of remaining octets set to an identifier generated in accordance with the a unique identifier specification as set forth in the specification and recited in the independent claims 1, 8, 15, 21, and 22.

1. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and , to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statement of Reasons for Allowance."

ADDITIONAL REFERENCES

2. The examiner as of general interest cites the following references:

   a. Mead et al. U.S. Patent application No. 2003/0067912.

   b. Boreham et al, U.S. Patent No. 6,785,686.

c. Vora et al, U.S. Patent No. 6,6,539,379.

d. Traversat et al, U.S. Patent No. 6,366,954.

e. Martin US Patent No. 6,154,776.

CONTACT INFORMATION

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawki S Ismail whose telephone number is 571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail
Patent Examiner
September 29, 2005

Bharat Barot

BHARAT BAROT
PRIMARY EXAMINER